CIVIL TECH LABS
Accredited by NABL as per ISO/ IEC 17025 : 2005
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

To,

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

21st February 2015

Dear Sir,

Sub: Construction of Concrete roads to Sihi Neeru Raste and RCC drain at Kanakanagara in Ward No.04.
Testing of cubes – Reg.

As requested the 7th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

Name & Address of the Customer	[illegible] (Asst. Veterinary Surgeon, Town Sub Division, [illegible])
Name of Work	Construction of Concrete roads to Sihi Neeru Baste and RCC drain at Kanakanagara in Ward No.04
Name of Agency	Sri. R. Sathish, Contractor
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Drain)	12/02/2015	19/02/2015	7	8.19	340	**15.11**	**14.81**
2					8.16	325	**14.44**	
3					8.17	335	**14.89**	

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

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A Synonym to quality

CIVIL TECH LABS
3, 1st Cross, Srinivasa Colony, Yelahanka, Bangalore - 560 064
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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sihi Neem Raste and RCC drain at Kamalanagara in Ward No.04
Name of Agency	Sri. R. Sathish, Contractor.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS. 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
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(AEE)

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sihi Neeru Raste and RCC drain at Kanakanagara in Ward No.04.
Name of the Agency	Sri. R. Sathish, Contractor
Date of Testing	04/02/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	420	415	Satisfactory
6	U T S (N/Sq.mm)	525	485	Satisfactory

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(AEE)

(AEE)

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sahi Neeru Raste and RCC drain at Kanakanagara in Ward No 04.
Name of the Agency	Sri. R. Sathish, Contractor.
Date of Testing	04/02/2015
Specific Gravity	2.68
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	**100**	100	Satisfies the requirement
40	**98.2**	95-100	
20	**56.4**	30-70	
10	**26.1**	10-35	
4.75	**3.9**	0-5	

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sihi Neeru Raste and RCC drain at Kanakanagara in Ward No.04.
Name of the Agency	Sri. R. Sathish, Contractor.
Date of Testing	04/02/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	49	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	488	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sthi Neeru Raste and RCC drain at Kanakanagara in Ward No.04.
Name of the Agency	Sri. R. Sathish, Contractor.
Date of Testing	04/02/2015
Specific Gravity	2.58

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.3	90-100	90-100	90-100	95-100	
	2.36	85.8	60-95	75-100	85-100	95-100	
	1.18	76.3	30-70	55-90	75-100	90-100	
	0.6	45.8	15-34	35-59	60-79	80-100	
	0.3	22.9	5-20	8-30	12-40	15-50	
	0.15	8.5	0-10	0-10	0-10	0-15	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sibi Neeru Raste and RCC drain at Kanakanagara in Ward No.04.
Name of Agency	Sri. R. Sathish, Contractor.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
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2					8.17	335	14.89	
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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of Concrete roads to Sihi Neeru Raste and RCC drain at Kanakanagara in Ward No.04.
Name of Agency	Sri. R. Sathish, Contractor.
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No. of cubes tested	3
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